

**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME** SNOW ROOF (All colors and grades)  
**IDENTIFICATION NUMBER:** SRXX  
**DATE PRINTED:** 04/13/00  
**PRODUCT USE/CLASS** Coating  
**MANUFACTURER** ORD Products Inc  
1895 16th St SE  
Salem, OR 97302-1436

**EMERGENCY TELEPHONE** CHEMTREC  
(800) 424-9300  
24 HRS A DAY  
7 DAYS A WEEK

**PREPARER** Product Services **PHONE** 800-345-0809 **PREPARE DATE** 04/13/00

**SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS**

ITEM	- - CHEMICAL NAME - -	CAS NUMBER	WT/WT %LESS THAN
01	titanium dioxide	13463-67-7	10 0 %
02	Silica, quartz	14808-60-7	20 0 %
03	Calcium carbonate	471-34-1	15 0 %
03	iron oxide	51274-00-1	5 0 %
03	carbon black	1333-86-4	5 0 %

ITEM	ACGIH		- EXPOSURE LIMITS -		COMPANY	SKIN
	TLV-TWA	TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING		
01	10 mg / m <sup>3</sup>	N E	15 mg / m <sup>3</sup>	N E	N E	NO
02	1 mg / m <sup>3</sup>	N E	1 mg / m <sup>3</sup>	N E	N E	NO
03	10 mg / m <sup>3</sup>	N E	15 mg / m <sup>3</sup>	N E	N E	NO
03	10 mg / m <sup>3</sup>	N E	15 mg / m <sup>3</sup>	N E	N E	NO
03	3 5 mg / m <sup>3</sup>	N E	3 5 mg / m <sup>3</sup>	N E	N E	NO

(See Section 16 for abbreviation legend)

**SECTION 3 - HAZARDOUS IDENTIFICATION****EFFECTS OF OVEREXPOSURE**

**EYE CONTACT** May cause slight irritation

**SKIN CONTACT** May cause irritation

**INHALATION:** May cause respiratory tract irritation

**INGESTION** Irritating to mouth, throat and stomach

**CHRONIC HAZARDS:** This product contains silicon dioxide [quartz] which has been listed as a suspected human carcinogen by NTP and IARC. No exposure to silicon dioxide [quartz] is anticipated during normal use of this product.

**PRIMARY ROUTE(S) OF ENTRY:** SKIN CONTACT, INHALATION, INGESTION, EYE CONTACT

**SECTION 4 - FIRST AID MEASURES****FIRST AID**

**EYE CONTACT:** Flush eye with water for 15 minutes. Get medical attention.

**SKIN CONTACT:** Remove contaminated clothing and shoes. Wash affected area(s) thoroughly with soap and water. If irritation persists, seek medical attention.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

**INGESTION:** If swallowed, DO NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Should vomiting occur, be sure to keep victim's head below hips to avoid aspiration of vomitus into lungs.

**SECTION 5 – FIRE FIGHTING MEASURES**

FLASH POINT	>200°F
LOWER EXPLOSIVE LIMIT	N D
UPPER EXPLOSIVE LIMIT:	N D
AUTOIGNITION TEMPERATURE.	N D
EXTINGUISHING MEDIA	ALCOHOL FOAM CO2 DRY CHEMICAL WATER FOG
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None known
SPECIAL FIREFIGHTING PROCEDURES	Containers exposed to fire should be kept cool with water spray. Containers can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Ventilate the area. Evacuate unnecessary personnel. Large spills should be handled carefully. Put on respiratory protection and necessary personal protective equipment. Dike or impound spilled liquid. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Repeat sorbent/sweep cycle until the spill has dried up. Avoid runoff into storm sewers and ditches which lead to waterways.

**SECTION 7 – HANDLING AND STORAGE**

HANDLING:	Use only in a well ventilated area. Keep out of reach of children. If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
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STORAGE	Keep container closed when not in use.
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**SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

ENGINEERING CONTROLS.	Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.
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RESPIRATORY PROTECTION	Wear NIOSH/MSHA approved respiratory protection when the product is mixed or applied in a poorly ventilated area or if workplace levels of ingredients exceed the TLV. Follow applicable federal, state, and local regulations.
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OTHER PROTECTIVE EQUIPMENT:	Where contact is likely, wear chemical resistant gloves, chemical safety goggles with a face shield, and clean protective clothing to cover arms and legs to keep exposure to a minimum.
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HYGIENIC PRACTICES:	Do not take internally. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid breathing vapors from heated material.
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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

BOILING RANGE	212°F	VAPOR DENSITY:	Is heavier than air
ODOR.	Slight Ammonia	ODOR THRESHOLD	N D
APPEARANCE	Creamy liquid	EVAPORATION RATE:	Is slower than Butyl Acetate
SOLUBILITY IN H2O	Dilutable	SPECIFIC GRAVITY:	1.1500
pH @ 0.0 %:	N D	FREEZE POINT:	N D
VISCOSITY	N D	VAPOR PRESSURE:	1.75 mm Hg
PHYSICAL STATE	Liquid	COEFFICIENT OF	
		WATER/OIL DISTRIBUTION:	N D

(See Section 16 for abbreviation legend)

# SNOW ROOF®

Product Name (As Used on Label and List)



## SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID	Long term exposure to elevated temperatures
INCOMPATIBILITY	Avoid contact with oxidizing material
HAZARDOUS DECOMPOSITION PRODUCTS	Acid fumes. Oxides of carbon
HAZARDOUS POLYMERIZATION.	Will not occur under normal conditions
STABILITY	This product is stable under normal storage conditions

## SECTION 11 - TOXICOLOGICAL PROPERTIES

PRODUCT DERMAL LD50	No Information
PRODUCT LC50	No Information
PRODUCT ORAL LD50	No Information

### COMPONENT TOXICOLOGICAL INFORMATION

-- CHEMICAL NAME --	DERMAL LD50	ORAL LD50	LC50
titanium dioxide	No Information	> 7500 mg/kg	No Information
Silica, quartz	No Information	No Information	No Information
Calcium carbonate	No Information	6450 mg/kg	No Information
iron oxide	No Information	>10 g/kg	No Information
carbon black	No Information	440 mg/kg	No Information

## SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION	No Information
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## SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD	Review all local, state, and federal regulations concerning health and pollution for appropriate disposal procedures
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## SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME.	Not regulated
DOT TECHNICAL NAME	N A
DOT HAZARD CLASS:	N A
HAZARD SUBCLASS	N A
DOT UN/NA NUMBER	N A
PACKING GROUP	N A
RESP GUIDE PAGE	
DOT PLACARD AT	N A
DOT CLASS NUMBER:	N A
UN PROPER SHIPPING NAME	Not regulated
UN CLASS NUMBER:	N A AIR: N A MARINE. N A
HAZARD SUBCLASS:	N A AIR N A MARINE N A
UN UN/NA NUMBER	N A UN PACKING GROUP. N A AIR. N A MARINE. N A
UN PLACARD AT	N A

## SECTION 15 - REGULATORY INFORMATION

### U S FEDERAL REGULATIONS AS FOLLOWS -

OSHA Hazardous by definition of Hazard Communication Standard (29 CFR1910 1200)

**CERCLA - SARA HAZARD CATEGORY** This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories

None

**SARA SECTION 313** This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372

-- CHEMICAL NAME --	CAS NUMBER	WT/WT % IS LESS THAN
No SARA Section 313 components exist in this product		

**TOXIC SUBSTANCES CONTROL ACT** This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States

**-- CHEMICAL NAME --**

Diethylene Glycol Monobutylether

**CAS NUMBER**

112-34-5

**INTERNATIONAL REGULATIONS AS FOLLOWS --****CANADIAN WHMIS:**

This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings

**CANADIAN WHMIS CLASS:**

No information available

**SECTION 16 -- OTHER INFORMATION**

**HMIS RATINGS**      **HEALTH** 1      **FLAMMABILITY** 1      **REACTIVITY** 0      **PERSONAL PROTECTION** C

**PREVIOUS MSDS REVISION DATE:** 08/14/96

**REASON FOR REVISION**

New format

**VOLATILE ORGANIC COMPOUNDS (VOCs):**

0 20 lbs/gal, 23 grams/ltr

**LEGEND:**

N A -- Not Applicable, N E -- Not Established, N D Not Determined

**ABBREVIATIONS USED:**

N/A (Information or data Not Available), NTP (National Toxicology Program), IARC (International Agency for Research on Cancer), NIOSH (National Institute of Occupational Safety and Health Administration), PEL (Permissible Exposure Limit) [8 hr TWA] [OSHA], TLV (Threshold Limit Value)[8 hr TWA] [ACGIH], STEL (ShortTerm ExposureLimit)[15 min TWA] [OSHA], C (Ceiling Value)

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